Contents

Adams, M. R., Harnad, J., Previato, E.: Isospectral Hamiltonian Flows in Finite and Infinite Dimensions. I. Generalized Moser Systems and Moment Maps into Loop Algebras 451

Akutsu, Ya., Wadati, M.,: Knots, Links, Braids and Exactly Solvable Models in Statistical Mechanics 243

Anderson, G., Moore, G.: Rationality in Conformal Field Theory 441

Aoki, K.: Heat Kernels and Super Determinants of Laplace Operators on Super Riemann Surfaces 405

Arbarello, E., Concini, C. De, Kac, V. G., Procesi, C.: Moduli Spaces of Curves and Representation Theory 1

Bartnik, R.: Remarks on Cosmological Spacetimes and Constant Mean Curvature Surfaces 615

Concini, C. De, → Arbarello, E., et al. 1

Connes, A.: The Action Functional in Non-Commutative Geometry 673

Duplantier, B.: Intersections of Random Walks. A Direct Renormalization Approach 279

Fairlie, D. B., Nuyts, J., Zachos, C. K.: A Presentation for the Virasoro and Super-Virasoro Algebras 595

Felder, G., Gawędzki, K., Kupiainen, A.: Spectra of Wess-Zumino-Witten Models with Arbitrary Simple Groups 127

Francoise, J. P.: Canonical Partition Functions of Hamiltonian Systems and the Stationary Phase Formula 37

Freed, D. S., Vafa, C.: Global Anomalies on Orbifolds *(Comment)* 349

Gawędzki, K., → Felder, G., et al. 127

Giga, Y., Kambe, T.: Large Time Behavior of the Vorticity of Two-Dimensional Viscous Flow and its Application to Vortex Formation 549

Gilbert, G.: The Kadomtsev-Petviashvili Equations and Fundamental String Theory 331

Hagedorn, G. A.: High Order Corrections to the Time-Dependent Born — Oppenheimer Approximation. II: Coulomb Systems 387

Harnad, J., → Adams, M. R., et al. 451

Hayashi, K., → Nakanishi, H., et al. 203

Hoffmann-Ostenhof, M., Hoffmann-Ostenhof, T.: On the Asymptotics of Nodes of L^2-Solutions of Schrödinger Equations in Dimensions ≥ 3 49

Hoffmann-Ostenhof, T., → Hoffmann-Ostenhof, M. 49

Kac, V. G., → Arbarello, E., et al. 1

Kambe, T., → Giga, Y. 549

Kupiainen, A., → Felder, G., et al. 127

LeBrun, C., Rothstein, M.: Moduli of Super Riemann Surfaces 159

Ledrappier, F., Young, L.-S.: Dimension Formula for Random Transformations 529

Macris, N., Martin, Ph. A., Pulé, J. V.: Diamagnetic Currents 215

Marchetti, P. A.: Particle Structure Analysis of Soliton Sectors in Massive Lattice Field Theories 501

Martin, Ph. A., → Macris, N., et al. 215

Mickelsson, J.: Current Algebra Representation for the 3 + 1 Dimensional Dirac-Yang-Mills Theory 261

Moore, G., → Anderson, G. 441
Mori, H., → Nakanishi, H., et al. 203

Nakanishi, H., Hayashi, K., Mori, H.: Topological Classification of Unknotted Ring Defects 203
Nakashima, M.: Indefinite Harmonic Forms and Gauge Theory 109
Nuyts, J., → Fairlie, D. B., et al. 595

Pedersen, H., Poon, Y. S.: Hyper-Kähler Metrics and a Generalization of the Bogomolny Equations 569
Poon, Y. S., → Pedersen, H. 569
Previato, E., → Adams, M. R., et al. 451
Procesi, C., → Arbarello, E., et al. 1
Pulé, J. V., →Macris, N., et al. 215

Quandt, J.: On Structural Stability for Semiflows 191

Reisz, T.: Renormalization of Feynman Integrals on the Lattice 79
Reisz, T.: Renormalization of Lattice Feynman Integrals with Massless Propagators 639
Reula, O.: Initial Data Sets of Minimal Energy 625
Rosso, M.: Finite Dimensional Representations of the Quantum Analog of the Enveloping Algebra of a Complex Simple Lie Algebra 581
Rothstein, M., → LeBrun, C. 159

Stark, J.: An Exhaustive Criterion for the Non-Existence of Invariant Circles for Area-Preserving Twist Maps 177

't Hooft, G.: Non-Perturbative 2 Particle Scattering Amplitudes in 2 + 1 Dimensional Quantum Gravity 685

Vafa, C., → Freed, D. S. 349
Voorhees, B.: Predecessor States for Certain Cellular Automata Evolutions 431

Wadati, M., → Akutsu, Ya. 243
Witten, E.: Topological Quantum Field Theory 353

Young, L.-S., → Ledrappier, F. 529

Zachos, C. K., → Fairlie, D. B., et al. 595

Indexed in *Current Contents*
Evaluated and abstracted for *PHYS* on *STN*